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DIALOG(R) File 351:Derwent WPI

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AA- 1991-243479/ 199133 |

DX- <RELATED> 1999-565564|

XR- <XRAM> C91-105772|

XR- <XRPX> N91-185689|

TI- Laminated film used as base film for magnetic tape - prepd. by laminating e.g. unstretched thermoplastic resin film with fluorine-contg. polymer film and heat treating|

PA- TOYOBO KK (TOYM)|

NC- 001|

NP- 002|

PN- JP 3159739 A 19910709 JP 89300388 A 19891117 199133 B|

PN- JP 3028537 B2 20000404 JP 89300388 A 19891117 200022|

AN- <LOCAL> JP 89300388 A 19891117; JP 89300388 A 19891117|

AN- <PR> JP 89300388 A 19891117|

FD- JP 3159739 A

FD- JP 3028537 B2 B32B-027/30 Previous Publ. patent JP 3159739|

LA- JP 3159739(6); JP 3028537(9)|

AB- <BASIC> JP 3159739 A

Laminated film is prepd. by laminating unstretched or monoaxially stretched thermoplastic resin film with film comprising mainly F-contg. polymer; monoaxially or biaxially stretching the laminated film; and heat-treating the stretched film.

The base film is pref. of polyester, polyamide, polycarbonate or cellulose. The F-contg. polymer is pref. prepd. by (co)polymerising an ethylenically unsatd. monomer contg. a perfluoroalkyl gp., e.g. of formula $C_nF_{2n+1}CH_2O(CO)-C(R_1)=CH_2$ or $C_nF_{2n+1}CH_2CH=CH_2$ where R_1 , R_2 are each H or a lower alkyl solely or in combination with a copolymerisable monomer (e.g., ethylenically unsatd. carboxylate ester of polyoxyalkylene glycol, glycidyl methacrylate, hydroxyalkyl acrylate, methacrylic acid, acrylamide, acrylate ester, acrylonitrile, vinyl acetate or methylvinyl ether). The F-contg. (co)polymer is laminated on the base film by coating or dipping its emulsion or soln. or by coextrusion or extrusion lamination.

USE/ADVANTAGE - The film has water-repellency, oil-repellency, antifouling activity, nontackiness, releasability, protection of substrate and high moisture resistance. It is used as base film for magnetic tape, insulating tape, photographic film, tracing film and packing film for foods.

Dwg.0/0|

DE- <TITLE TERMS> LAMINATE; FILM; BASE; FILM; MAGNETIC; TAPE; PREPARATION; LAMINATE; UNSTRETCHED; THERMOPLASTIC; RESIN; FILM; FLUORINE; CONTAIN; POLYMER; FILM; HEAT; TREAT|

DC- A14; A32; P73|

IC- <MAIN> B32B-027/30|

IC- <ADDITIONAL> B32B-007/02; B32B-027/08|

MC- <CPI> A04-E10; A11-B02A; A11-B02C; A12-S06B; A12-S06C1|

FS- CPI; EngPI||

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